

# GatewaySeq Archive Tissue Quick Start Guide

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# GatewaySeq Archive Tissue Order

The GatewaySeq NGS is a tumor-only, high coverage targeted next generation sequencing assay for the identification of gene mutations, copy number alterations, microsatellite instability, tumor mutational burden, and gene fusions. It is initially available at BJH, BWC, MHB/MHE, and SLCH with more areas coming later.

## Outpatient

This order is located within the database section of the order search and therefore is not immediately presented when searching. The steps below show how to find and order this test.

1. In the patients encounter use the order entry box to search for “gateway”
2. The search box will default to the **Facility List** which will not show this order.
3. Click the **Database** tab.

The screenshot shows the 'Order Search' window with the search term 'GATEWAY' entered in the search box. The 'Facility List' tab is selected, and the search results are empty. The 'Database' tab is highlighted with a red box, indicating it is the next step to click.

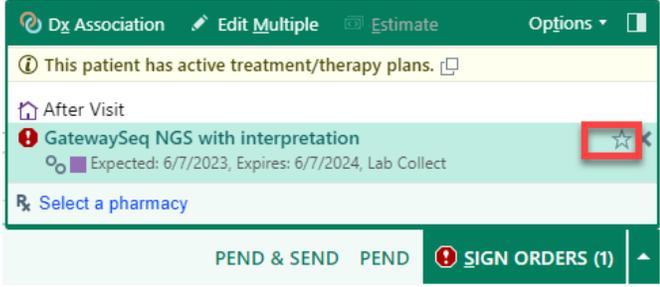
4. After the **Database** tab is selected the order should be listed.
5. Select the **GATEWAYSEQ NGS WITH INTERPRETATION** order.
6. Click Accept.

The screenshot shows the 'Order Search' window with the search term 'GATEWAY' entered in the search box. The 'Database' tab is selected, and the search results are displayed in a table. The 'GATEWAYSEQ NGS WITH INTERPRETATION' order is highlighted with a red box, indicating it is the next step to select.

Name	Type	Px Code	Resulting Agencies	Cost t...
GATEWAYSEQ NGS WITH INTERPRETATION	Lab	LAB10080		

7. The order will move to the orders to be signed basket.

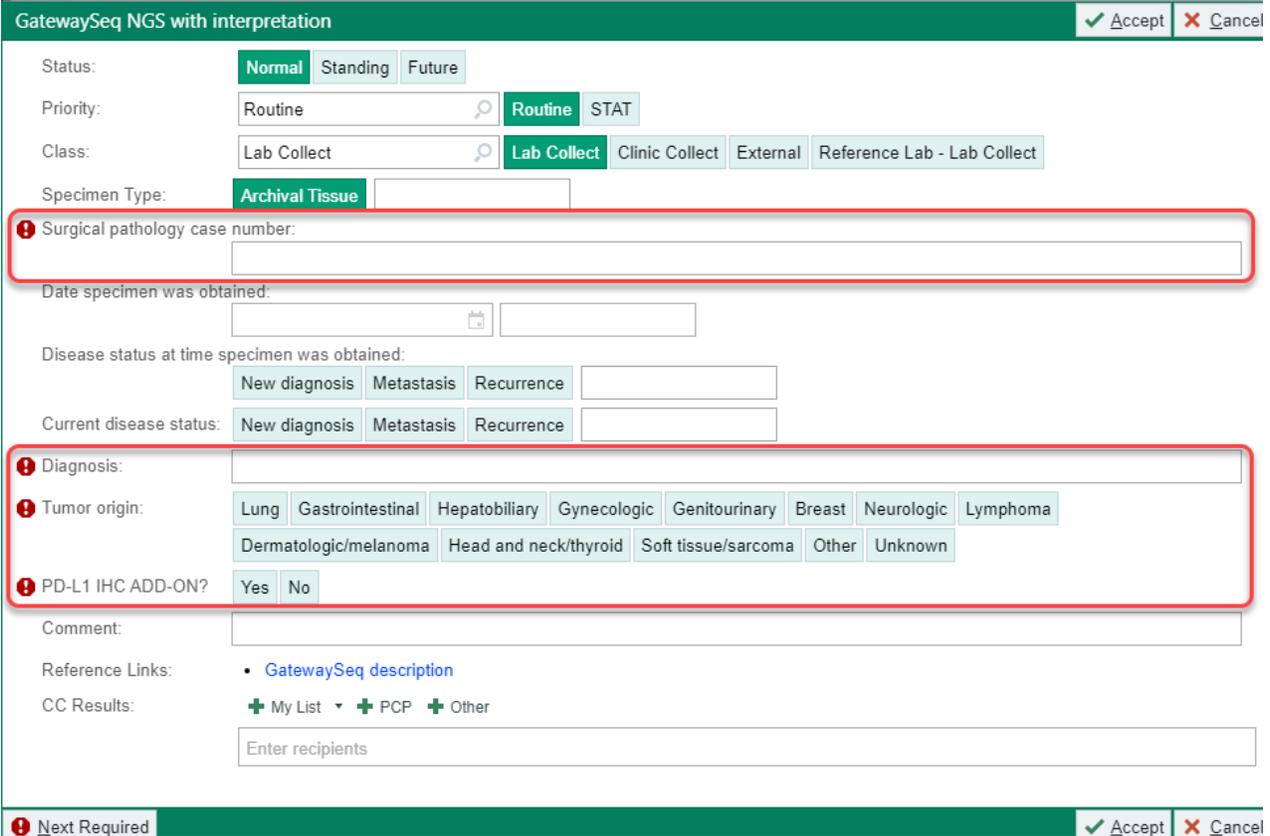
**Make this order a favorite so it's easier to find next time:**



The screenshot shows a patient's active treatment/therapy plans. At the top, there are buttons for 'Dx Association', 'Edit Multiple', 'Estimate', and 'Options'. Below this, a yellow banner states 'This patient has active treatment/therapy plans.' followed by 'After Visit'. A red box highlights a star icon next to the 'GatewaySeq NGS with interpretation' order, which is expected on 6/7/2023 and expires on 6/7/2024. Below the order, there is a 'Select a pharmacy' link. At the bottom, there are buttons for 'PEND & SEND', 'PEND', and 'SIGN ORDERS (1)'.

8. Fill in the order hardstops
- a. Surgical pathology case number (free text)
  - b. Diagnosis (free text)
  - c. Tumor origin
  - d. PD-L1 IHC ADD ON

**Do not change the Status from the default of Normal. This status allows the order to move correctly though the interface.**



The screenshot shows the 'GatewaySeq NGS with interpretation' order form. The form includes fields for Status (Normal, Standing, Future), Priority (Routine, STAT), Class (Lab Collect, Clinic Collect, External, Reference Lab - Lab Collect), and Specimen Type (Archival Tissue). Red boxes highlight the 'Surgical pathology case number' field, the 'Diagnosis' field, the 'Tumor origin' field (with options: Lung, Gastrointestinal, Hepatobiliary, Gynecologic, Genitourinary, Breast, Neurologic, Lymphoma, Dermatologic/melanoma, Head and neck/thyroid, Soft tissue/sarcoma, Other, Unknown), and the 'PD-L1 IHC ADD-ON?' field (Yes, No). The form also includes a 'Comment' field, 'Reference Links' (GatewaySeq description), 'CC Results' (My List, PCP, Other), and a 'Next Required' field at the bottom.

9. Hovering over Surgical pathology case number will reveal an information icon that contains details about specimen selection.

Specimen Type: **Archival Tissue**

**Surgical pathology case number:**

Date specimen was obtained:

An alternate specimen may be selected at the discretion of the pathologist if there is inadequate tissue/tumor or if a more appropriate specimen is available.

10. Archival Tissue is preselected and there is a comment box if needed.
11. Fill in addition fields as appropriate.
  - a. Date specimen was obtained.
  - b. Disease status at time specimen was obtained.
  - c. Current disease status.
12. The **PD-L1 IHC Add On?** section may cascade open with further selections:
  - a. By selecting **Yes**, choose the IHC clone.
  - b. By selecting **No**, no other options appear.

**Tumor origin:** Lung Gastrointestinal Hepatobiliary Gynecologic Genitourinary Breast Neurologic Lymphoma  
Dermatologic/melanoma Head and neck/thyroid Soft tissue/sarcoma Other Unknown

PD-L1 IHC Add-On? **Yes** No

**Select IHC clone:** PD-L1 clone 22C3 (pembrolizumab) PD-L1 clone 28-8 (nivolumab) PD-L1 clone SP142 (atezolizumab)  
PD-L1 clone SP263 (atezolizumab)

Comment:

Reference Links: [GatewaySeq description](#)

CC Results: **+** My List **+** Other

Enter recipients

**Next Required** Accept Cancel

Reference Links includes testing information such as; test details, relevant conditions, methodology, etc.

PD-L1 IHC Add-On? Yes **No**

Comment:

Reference Links: [GatewaySeq description](#)

CC Results: **+** My List **+** Other

Enter recipients

13. If appropriate, associate the order to a research study
14. Click **Options** on the order cart.

Dx Association Edit Multiple Estimate **Options**

This patient has active treatment/th

After Visit

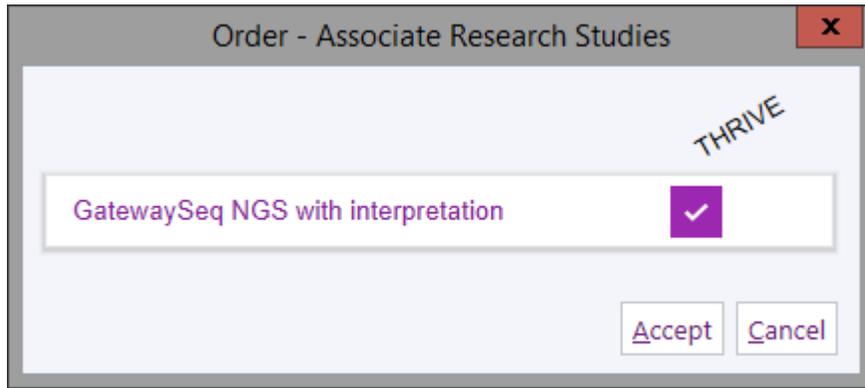
**GatewaySeq NGS with interpretati**  
Expected: 9/22/2023, Expires: 9/22

WALGREENS DRUG STORE #07296 -  
KINGSHIGHWAY BLVD AT NEC OF KING  
314-383-6721

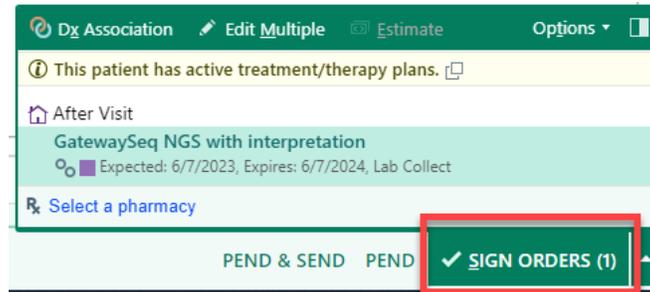
Providers  
CC Results  
Interactions  
Create Panel  
Routing  
Financial  
Phase of Care  
Research Association

LEVEL OF SERVICE PRINT AVS PEND SIGN ORDERS (1)

15. Select Research Association and choose the appropriate study.



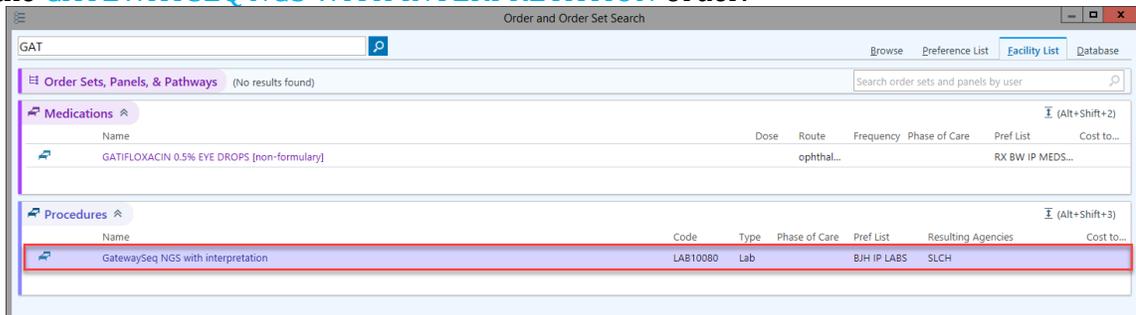
16. When finished, sign order.



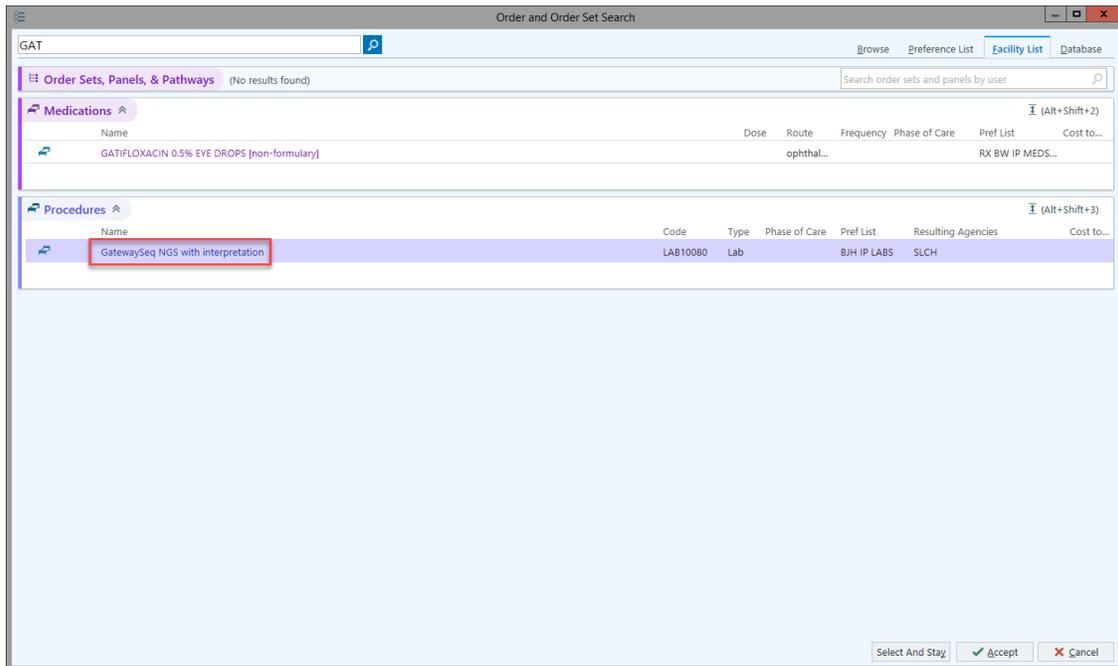
## Inpatient

This order is located within the database section of the order search and therefore is not immediately presented when searching. The steps below show how to find and order this test.

1. In the patient's encounter use the order entry box to search for "gateway".
2. The search box will default to the **Facility List**.
3. Select the **GATEWAYSEQ NGS WITH INTERPRETATION** order.



4. Click Accept.



5. The order will move to the orders to be signed basket.

**Make this order a favorite so it's easier to find next time:**

Orders ▾

Manage Orders Order Sets

Options ▾

Providers

Place orders, order sets, or p... + New

Standard ▾ ! Next

**New Orders**

! GatewaySeq NGS with interpretation ✖

Once (Routine), today at 1515, For 1 occurrence

Specimen Type: Archival Tissue

6. Fill in the order hardstops

- a. Should this test be performed immediately
  - i. GatewaySeq orders submitted for inpatients will be held until 14 days after discharge unless immediate testing is requested. If immediate testing is needed, specimen processing will begin as soon as the order is placed, and results will be available in approximately 10–14 days. If immediate testing is requested, please provide a brief explanation documenting the medical necessity of performing GatewaySeq as part of the patient's current hospital admission.
- b. Surgical pathology case number (free text)
- c. Diagnosis (free text)
- d. Tumor origin
- e. PD-L1 IHC ADD-ON

GatewaySeq NGS with interpretation Accept Cancel

Frequency: **Once (Routine)**

At: 2/13/2024 Today Tomorrow 0529

Should this test be performed immediately?  
 Yes  No

Specimen Type: **Archival Tissue**

**Surgical pathology case number:**

Date specimen was obtained:

Disease status at time specimen was obtained:  
 New diagnosis  Metastasis  Recurrence

Current disease status:  New diagnosis  Metastasis  Recurrence  Comments

**Diagnosis:**

**Tumor origin:** Lung Gastrointestinal Hepatobiliary Gynecologic Genitourinary Breast Neurologic Lymphoma  
 Dermatologic/melanoma Head and neck/thyroid Soft tissue/sarcoma Other Unknown

**PD-L1 IHC ADD-ON?**  Yes  No

Comment:

Reference Links: [GatewaySeq description](#)

Comments:

**Next Required** **Link Order** Accept Cancel

7. Hovering over Surgical pathology case number will reveal an information icon that contains details about specimen selection.

Specimen Type: **Archival Tissue**

**Surgical pathology case number:** ⓘ

Date specimen was obtained:

An alternate specimen may be selected at the discretion of the pathologist if there is inadequate tissue/tumor or if a more appropriate specimen is available.

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10. The **PD-L1 IHC Add On?** section may cascade open with further selections:
  - a. By selecting **Yes**, choose the IHC clone.
  - b. By selecting **No**, no other options appear.

PD-L1 IHC ADD-ON?  Yes  No

**Select IHC clone:** PD-L1 clone 22C3 (pembrolizumab) PD-L1 clone 28-8 (nivolumab) PD-L1 clone SP142 (atezolizumab)  
 PD-L1 clone SP263 (atezolizumab)

Comment:

Reference Links: [GatewaySeq description](#)

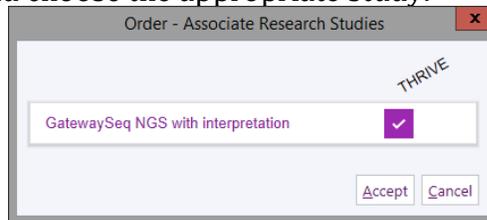
Reference Links includes testing information such as; test details, relevant conditions, methodology, etc.



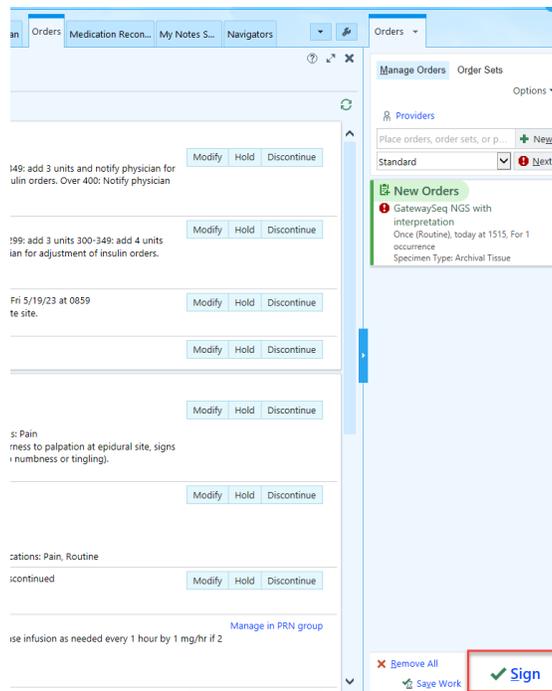
- 11. If appropriate, associate the order to a research study.
- 12. Click **Options** on the order cart.



- 13. Select Research Association and choose the appropriate study.



- 14. When finished, sign order.



15. On the worklist select Done.

The screenshot shows a software interface with a top navigation bar containing tabs: Summary, Chart Review, Results Review, Work List (highlighted with a red box), Order Review, Orders, and Snapshot. Below the navigation bar is the 'Work List' section. It includes a '+ Add Task' button, a date range '11/10/2023 0700 - 1900', a filter 'Only Overdue', and a dropdown menu 'Filter: All Tasks'. A status bar indicates 'You are viewing a past shift' and 'Current Shift'. A table with columns 'Time', 'Type', 'Task', 'Frequency', and 'Priority' is displayed. The table contains one row: '1100' in the Time column, a blue icon in the Type column, 'GatewaySeq NGS with interpretation' in the Task column, 'One Time' in the Frequency column, and 'Routine' in the Priority column. A 'Done' button is located at the end of this row, highlighted with a red box. The bottom of the interface shows 'BID PRN'.